PICKENS
TUSCALOOSA
SHELBY
CLAY
RANDOLPH
TUSCALOOSA
BIBB
GREENE
HALE
CHILTON
PERRY
AUTAUGA
ELMORE
COLUMBUS (GEORGIA)
MACON
TUSKEGEE
MONTGOMERY
RUSSELL
DALLAS
MARENGO
LOWNDES
BULLOCK
CHOCTAW
WILCOX
BUTLER
CRENSHAW
PIKE
CLARKE
MONROE
SOUTHERN RED HILLS
BARBOUR
TROY
MONTGOMERY
Demopolis
Livingston
Eutaw
Selma

PHYSIOGRAPHIC DIVISIONS OF THE AREA OF OUTCROP OF FORMATIONS OF SELMA AND RIPLEY AGE IN ALABAMA

EXPLANATION

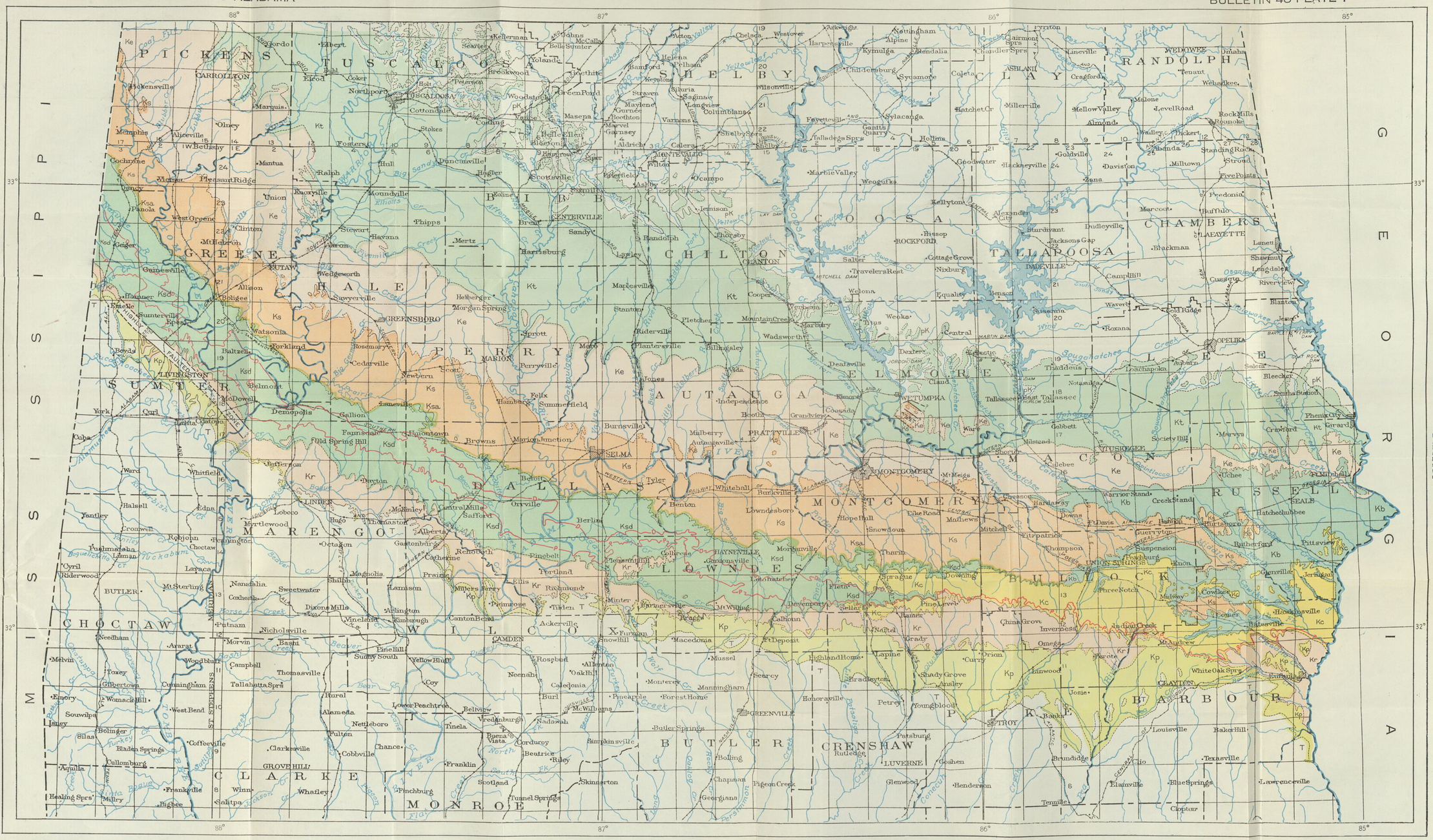
Black Prairie belt

Chunnennuggee Hills

Alluvial and terraced areas near larger rivers

10 0 10 20 30 40 MILES

TOMBIGBEE RIVER
BLACK WARRIOR RIVER
COOSA RIVER
ALABAMA RIVER
CAHABA RIVER
FLATWOODS
SAUMSAUM
HIGH RIDGE
CUESTA
LABAMA
TROY CUESTA
LAPINE CUESTA
IRON RIDGE
COWIKEE PRAIRIE
SAND HILLS
ENON CUESTA
CHATTAHOOCHEE RIVER



Geologic map of the Upper Cretaceous formations in Central Alabama

Scale 1/500000

10 0 10 20 30 40 Miles

10 0 10 20 30 40 50 Kilometers

1941

LEGEND

TERTIARY

T

MIDWAY GROUP

(Clay in west: sand, gravel, and limestone in east)

UNCONFORMITY

UPPER CRETACEOUS

Kp

PRAIRIE BLUFF CHALK AND PROVIDENCE SAND

(In west Prairie Bluff chalk: hard, brittle chalk and sandy chalk phosphatic in basal beds. In east Providence sand: red sand, fine gravel, and white clay: fossiliferous marine sand in the Chattahoochee River Valley)

UNCONFORMITY

Kr

RIPLEY FORMATION

(Glauconitic sand, clay, sandstone, and limestone; gravel at base in eastern part)

CENTRAL AND WESTERN ALABAMA

Ksa Ksd Ks

SELMA CHALK

(Chalk and marl: lower part thin-bedded chalky marl and sand, Ks; Arcola limestone member, Ksa, hard limestone and marl; Demopolis member, Ksd, pure chalk and marly chalk; D outcrop of the Diploschiza cretacea zone; P boundary of the Exogyra ponderosa and Exogyra costata zones)

EASTERN ALABAMA

UNCONFORMITY

Kc

CUSSETA SAND

(Sand and clay, gravel at base)

UNCONFORMITY

Kb

BLUFFTOWN FORMATION

(Sand, clay, and limestone: gravel at base)

UNCONFORMITY

Ke

EUTAW FORMATION

(Glauconitic sand, cross-bedded to massive, and thin-bedded sand and clay; gravel at base)

UNCONFORMITY

Kt

TUSCALOOSA FORMATION

(Irregularly bedded sand and clay; gravel in lower part)

UNCONFORMITY

PRE-CRETACEOUS

pK

PALEOZOIC AND PRE-CAMBRIAN

(Sedimentary and crystalline rocks)

FAULT